SONY

FM/AM MiniDisc Player

Operating Instructions EN

Owner's Record

The model and serial numbers are located on the bottom of the unit.
Record the serial number in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. MDX-C670 Serial No. _____

For installation and connections, see the supplied installation/connections manual.

MDX-C670

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Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

CAUTION

The use of optical instruments with this product will increase eye hazard.

Welcome !

Thank you for purchasing the Sony MiniDisc Player. This unit lets you enjoy a variety of features by using a rotary remote.

In addition to the MD playback and the radio operations, you can expand your system by connecting an optional CD/MD changer.
If you connect an optional CD changer with the CD-TEXT function, the CD-TEXT information will appear in the display when you play back a CD-TEXT disc*.

* *A CD-TEXT disc is an audio CD that includes information such as the disc name, artist name and truck names. This information is recorded on the disc.*

EN

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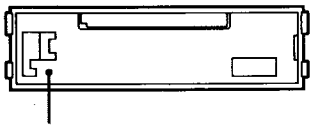
EN

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Press the reset button with a pointed object, such as a ballpoint pen.



Reset button

Note

Pressing the reset button will erase the clock and some memorized functions.

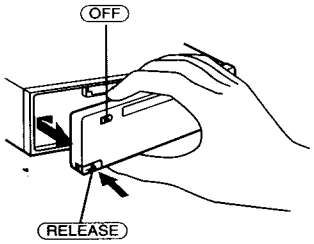
EN

Detaching the front panel

You can detach the front panel of this unit to prevent the unit from being stolen.

1 Press (OFF).

2 Press (RELEASE) to open up the front panel. Then slide the front panel a little to the left, and pull it off towards you.

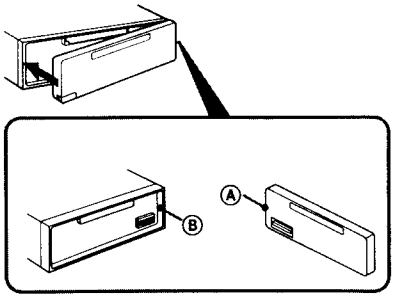


Notes

- *Be sure not to drop the panel when detaching it from the unit.*
- *If you press (RELEASE) to detach the panel while the unit is still on, the unit will turn off automatically to prevent the speakers from being damaged.*
- *When you carry the front panel with you, put it in the supplied front panel case.*

Attaching the front panel

Align part Ⓐ of the front panel to part Ⓑ of the unit as illustrated, and push until it clicks.



Notes

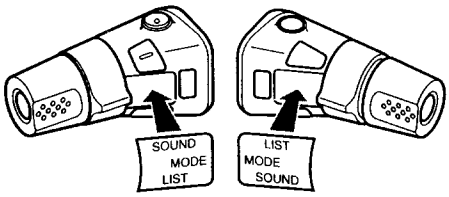
- *Be sure not to attach the front panel upside down.*
- *Do not press the front panel hard against the unit when attaching it. Press it lightly against the unit.*
- *Do not press hard or put excessive pressure on the display windows of the front panel.*
- *Do not expose the front panel to direct sunlight, heat sources such as hot air ducts, and do not leave it in a humid place. Never leave it on the dashboard of a car parked in direct sunlight where there may be a considerable rise in temperature.*

Caution alarm

If you turn the ignition key switch to the OFF position without removing the front panel, the caution alarm will beep for a few seconds (only when the POWER SELECT switch is set to the Ⓐ position).

Preparing the rotary remote

When you mount the rotary remote, attach the label in the illustration below.

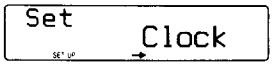


Setting the clock

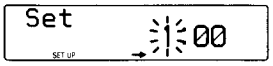
The clock has a 12-hour digital indication.

Example: Set the clock to 10:08

1 Press (SHIFT), then press (2) (SET UP).

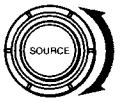


❶ Press (4) (→).



The hour digit flashes.

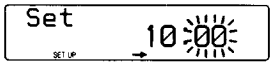
❷ Set the hour.



to go backward

to go forward

❸ Press (4) (→).

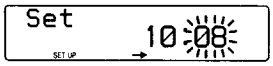


The minute digits flash.

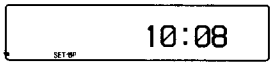
❹ Set the minute.

to go backward

to go forward



2 Press (SHIFT).



The clock starts.

3 Press (SHIFT).

When the mode setting is complete, the normal playback mode appears.

Note

If the POWER SELECT switch on the bottom of the unit is set to the ❸ position, turn the power on first, then set the clock.

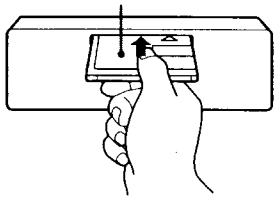
MD Player

Listening to an MD

Simply insert the MD.

Playback starts automatically.

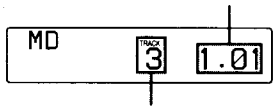
Labeled side up



If an MD is already inserted, press (SOURCE) repeatedly until "MD" appears.

The title of the MD* and the track title will be displayed on the display window, then the playing time will appear.

Elapsed playing time



Track number

** Only if these titles are prerecorded on the MD.*

Tip

If the name of the MD is too long, you can scroll it across the display window by pressing (SCRL) while the disc name or track name is displayed.

When the last track on the MD is over

the track number indication will return to "1", and the playback will restart from the first track of the MD.

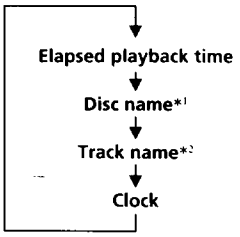
To	Press
Stop playback	⏏ or (OFF)
Eject the MD	⏏

EN

Getting Started/MD Player

Changing the displayed items

Each time you press (DSPL), the item changes as follows:



*1 *If there is no prerecorded title for a disc "NO D.Name" will appear on the display.*

*2 *If a track title is not prerecorded, "NO T.Name" will be displayed.*

Automatically scrolling a disc name — Auto Scroll

If the disc name or track name on an MD exceeds 10 characters and the Auto Scroll function is on, automatically scrolls on the display as follows:

- *The disc name appears when the disc has changed (if the disc name is selected).*
- *The track name appears when the track has changed (if the track name is selected).*
- *The disc or track name appears depending on the setting when you press (SOURCE) to select an MD.*

If you press (DSPL) to change the display item, the disc or track name of the MD is scrolled automatically whether you set the function on or off.

1 During playback, press (SHIFT).

2 Press (2) (SET UP) repeatedly until "A.Scrl" appears.

3 Press (4) (→) to select "A.Scrl on."

4 Press (SHIFT).

To cancel Auto Scroll, select "A.Scrl off" in step 2 above.

Displaying the recording date of the currently selected MD

Press (SCRL) for two seconds during MD playback.
The recording date of the track is displayed for about three seconds.

Locating a specific track — Automatic Music Sensor (AMS)

During playback, press either side of (SEEK/AMS) momentarily.

To locate succeeding tracks

To locate preceding tracks

Locating a specific point in a track — Manual Search

During playback, press and hold either side of (SEEK/AMS). Release the button when you have found the desired point.

To search forward

To search backward

Note

If "└└└└" or "┐┐┐┐" appears in the display, that means you have reached the beginning or the end of the disc and you cannot go any further.

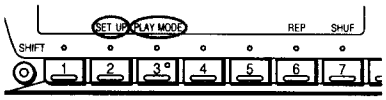
Playing an MD in various modes

You can play MDs in various modes:

- Intro (Intro Scan) lets you play the first 10 seconds of all the tracks.
- Repeat (Repeat Play) repeats the current track.
- Shuf (Shuffle Play) plays all the tracks in random order.

Scanning for the desired track — Intro scan

1 During playback, press (SHIFT).
Every time you press (SHIFT), only the items you can select light up.



2 Press (3) (PLAY MODE).

EN

3 Press ④ (→) to select "Intro on."

Playback starts.

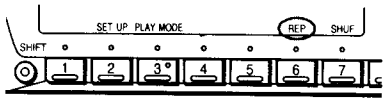
4 Press SHIFT.

To go back to the normal playback mode, select "Intro off" in step 3 above.

Playing tracks repeatedly — Repeat Play

1 During playback, press SHIFT.

2 Press ⑥ (REP) repeatedly until "Repeat 1" appears.



Repeat play starts.

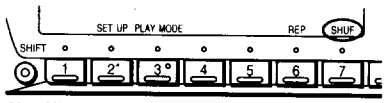
3 Press SHIFT.

To go back to the normal playback mode, select "Repeat off" in step 2 above.

Playing tracks in random order — Shuffle Play

1 During playback, press SHIFT.

2 Press ⑦ (SHUF) repeatedly until "Shuf 1" appears.



Shuffle play starts.

3 Press SHIFT.

To go back to the normal playback mode, select "Shuf off" in step 2 above.

Radio

Memorising stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorises them in the order of their frequencies. You can store up to 10 stations on each band (FM1, FM2 and AM).

Caution

When tuning in the station while driving, use Best Tuning Memory to prevent accidents.

1 Press SOURCE repeatedly to select the tuner.

Each time you press SOURCE, the source changes as follows:

MD ⟷ TUNER

2 Press MODE repeatedly to select the band.

Each time you press MODE, the band changes as follows:

→ FM1 → FM2 → AM

3 Press SHIFT, then press ③ (PLAY MODE) repeatedly until "B.T.M" appears.

4 Press ④ (→).

The unit stores stations in the order of their frequencies on the number buttons.
A beep sound and the setting is stored.

5 Press SHIFT.

Notes

- *The unit does not store stations with weak signals. If only a few stations are received, some number buttons will retain heir former setting.*
- *When a number is indicated in the display, the unit starts storing stations from the one currently displayed.*

Memorising only the desired stations

You can store up to 10 stations on each band (20 for FM1 and FM2, 10 for AM) in the order of your choice.

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band (FM1, FM2 or AM).

3 Press either side of (SEEK/AMS) to tune in the station that you want to store on the number button.

4 Press the desired number button for two seconds until "MEM" appears.
The number button indication appears in the display.

EN

Note
If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorised stations

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band (FM1, FM2 or AM).

3 Press the number button ((1) to (10)) momentarily where the desired station is stored.

If you cannot tune in a preset station

Press either side of (SEEK/AMS) momentarily to search for the station (automatic tuning).
Scanning stops when the unit receives a station. Press either side of (SEEK/AMS) repeatedly until the desired station is received.

Note
If the automatic tuning stops too frequently, press (SHIFT), then press (3) (PLAY MODE) repeatedly until "Local" (local seek mode) is displayed. Then press (4) (→) to select "Local on". Press (SHIFT).
Only the stations with relatively strong signals will be tuned in.

Tip
If you know the frequency of the station you want to listen to, press and hold either side of (SEEK/AMS) for two seconds until the desired frequency appears (manual tuning).

If FM stereo reception is poor — Monaural Mode

1 Press (SHIFT), then press (3) (PLAY MODE) repeatedly until "Mono" is appears.

2 Press (4) (→) repeatedly until "Mono on" appears.
The sound improves, but becomes monaural ("ST" disappears).

3 Press (SHIFT).

To go back to the normal mode, select "Mono off" in step 2 above.

Changing the displayed items

Each time you press (DSPL), the items changes as follows:

Frequency ↔ Clock

Storing the station names

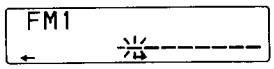
—Station Memo

You can assign a name to each radio station and store it in memory. The name of the current station appears in the display. You can store up to eight characters for each station.

Storing the station names

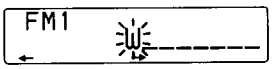
1 Tune in a station whose name you want to store.

2 Press (LIST) for two seconds.



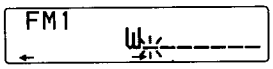
3 Enter the characters.

❶ Rotate the dial clockwise direction to select the desired characters.
(A → B → C → ··· Z → 0 → 1 → 2 → ··· 9 → + → − → * → / → \ → > → < → . → _)



If you rotate the dial counterclockwise, the characters appear in the reverse order.
If you want to put a blank space between characters, select "_" (under-bar).

❷ Press (4) (→) after locating the desired character.
The flashing cursor moves to the next space.



If you press (1) (←), the flashing cursor moves to the left.

❸ Repeat steps ❶ and ❷ to enter the entire name.

4 To return to normal radio reception, press (LIST) for two seconds.

Tip
To erase/correct a name, enter "_" (under-bar) for each character.

Displaying the station name

Press (DSPL) during radio reception.

Each time you press (DSPL), the item changes as follows:

→ Station name* → Frequency → Clock →

** If the station name is not stored, "NO Name" appears in the display for one second.*

Erasing the station name

1 Tune in any station and press (LIST) for two seconds.

2 Press (DSPL) for two seconds.
"Delete" and the station name appear in the display.

3 Rotate the dial to select the name you want to erase.

4 Press (5) (ENTER) for two seconds.
The name is erased.
Repeat steps 3 and 4 if you want to erase other names.

5 Press (LIST) for two seconds.
The unit returns to normal radio reception mode.

Locating a station by name — List-up

1 Press (LIST) momentarily.
The name assigned to the current station appears in the display.

2 Press (LIST) repeatedly until you find the desired station.

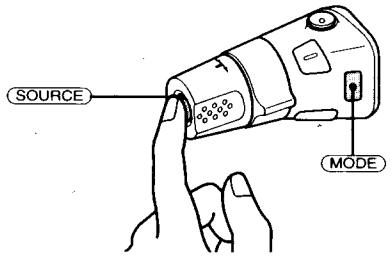
3 Press (5) (ENTER) to tune in the desired station.

Note
After the station name or frequency has been displayed for five seconds, the display goes back to normal mode. To turn off the display, press (DSPL).

Using the rotary remote

The rotary remote works by pressing buttons and/or rotating controls.
You can control the optional CD or MD changer with the rotary remote.

By pressing the button (the SOURCE and MODE buttons)



Every time you press (SOURCE), the source changes as follows:

Tuner → CD → MD

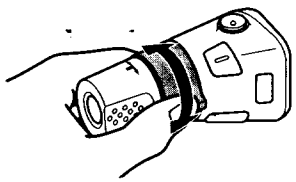
Pressing (MODE) changes the operation in the following ways:

- **Tuner: FM1 → FM2 → AM**
- **CD changer: CD1 → CD2 → ...**
- **MD changer: MD1 → MD2 → ...**

Tip

When the POWER SELECT switch is set to position B, you can turn on this unit by pressing (SOURCE) on the rotary remote.

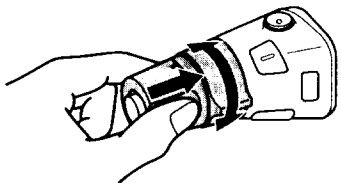
By rotating the control (the SEEK/AMS control)



Rotate the control momentarily and release it to:

- Locate a specific track on a disc. Rotate and hold the control until you locate the specific point in a track, then release it to start playback.
- Tune in the stations automatically. Rotate and hold the control to tune in the specific station.

By pressing in and roating the control (the PRESET/DISC control)



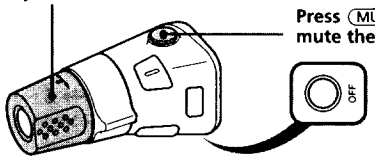
Push in and rotate the control to:

- Receive the stations memorised on the number buttons.
- Change the disc.

Other operations

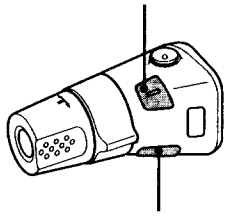
Rotate the VOL control to adjust the volume.

Press (MUTE) to mute the sound.



Press (OFF) to turn off the unit.

Press (SOUND) to adjust the volume and sound menu.

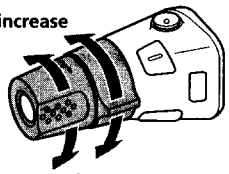


Press (LIST) to display the memorised names.

Changing the operative direction

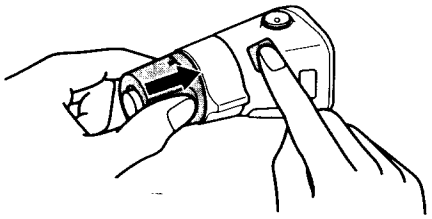
The operative direction of controls is factory-set as in the illustration below.

To increase



To decrease

If you need to mount the rotary remote on the right side of the steering column, you can reverse the controls operative direction.



Press (SOUND) two seconds while pushing the VOL control.

Tip

You can control the operative direction of controls with the unit.

Adjusting the sound characteristics

You can adjust bass, treble, balance and fader. Each source can store the bass and treble levels respectively.

1 Select the item you want to adjust by pressing (SOUND) repeatedly.

VOL (volume) → BAS (bass) → TRE (treble) → BAL (balance) → FAD (fader)

2 Adjust the selected item by rotating the dial.

Adjust within three seconds after selecting the item. (After three seconds, the dial functions as the volume control.)

Muting the sound

Press (MUTE) on the rotary remote.
"Mute on" flashes momentarily.

To restore the previous volume level, press (MUTE) again.

Tip

The unit decreases the volume automatically when a telephone call comes in (Telephone-mute function).

Changing the sound and display settings

You can set:

- Clock (page 5)
- D.Info (Dual Information) to display the clock and the play mode at the same time (ON) or to display the information alternately (OFF).
- Amber/Green to change the illumination color to amber or green.
- Dimmer to change the brightness of the display.
  - — Select "Auto" to dim the display only when you turn the lights on.
  - — Select "on" to dim the display.
- Contrast to adjust the contrast if the indications in the display are not recognizable because of the unit's installed position.
- Beep to turn on or off the beeps.
- RM (Rotary Remote) to change the operative direction of the controls of the rotary remote.
  - — Select "norm" to use the rotary remote as the factory preset position.
  - — Select "rev" when you mount the rotary remote on the right of the steering column.
- Loud (Loudness) to enjoy bass and treble even at low volume. Bass and treble will be reinforced.
- A. Scrl (Auto Scroll) (page 6 and 12)
- Disc MEMO/TEXT name (Disc memo/CD-TEXT name) (page 14)

1 Press (SHIFT).

2 Press (2) (SET UP) repeatedly until the desired setting mode appears.

Each time you press (2) (SET UP), the item changes as follows:

Clock → D.Info* → Amber/Green → Dimmer → Contrast → Beep → RM → Loud → A.Scrl → Disc MEMO/TEXT name

** When you have not tune the station or there is no CD/MD being played, these items will not appear.*

Note

The displayed item will differ depending on the source.

3 Press (4) (→) to select the desired setting (for example: on or off).

At "Contrast" setting, pressing (4) (→) makes the contrast higher, and pressing (1) (←) makes the contrast lower.

4 Press (SHIFT).

When the mode setting is complete, the normal playback mode appears.

With Optional Equipment

CD/MD Changer

You can control up to 7 CD changers and MD changers with this unit.
If you connect an optional CD changer with the CD-TEXT function, the CD-TEXT information will appear in the display when you play back a CD-TEXT disc.

Playing a CD or an MD

1 Press (SOURCE) repeatedly to select the CD or MD.

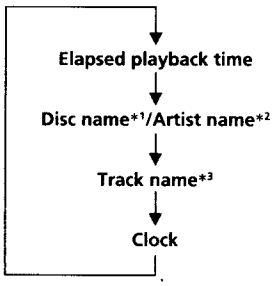
2 Press (MODE) until the desired changer appears.
CD/MD playback starts.

EN

When a CD or an MD changer is connected, all the tracks play from the beginning.

Changing the displayed items

Each time you press (DSPL) during CD, CD-TEXT, or MD playback, the item changes as follows:



*1 *If you have not labeled the disc or there is no disc name prerecorded on the MD, "NO D.Name" appears in the display.*
*2 *If you play a CD-TEXT disc, the artist name appears in the display after the disc name. (Only for CD-TEXT discs with the artist name)*
*3 *If the track name of a CD-TEXT disc or MD is not prerecorded, "NO T.Name" appears in the display.*

You can label a personalized name for CDs and CD-TEXT discs with the disc memo function, refer to "Labeling a CD" (page 13).

Tip
If the name of the MD or CD-TEXT disc is too long, you can scroll it across the display by pressing (SCRL) while the disc name or track name is displayed.

Automatically scrolling a disc name — Auto Scroll

If the disc name/artist name or track name on a CD-TEXT disc or MD exceeds 10 characters and the Auto Scroll function is on, automatically scrolls on the display as follows:
- *The disc name appears when the disc has changed (if the disc name is selected).*
- *The track name appears when the track has changed (if the track name is selected).*
- *The disc or track name appears depending on the setting when you press (SOURCE) to select an MD or CD-TEXT disc.*

If you press (DSPL) to change the display item, the disc or track name of the MD or CD-TEXT disc is scrolled automatically whether you set the function on or off.

1 During playback, press (SHIFT).

2 Press (2) (SET UP) repeatedly until "A.Scrl" appears.

3 Press (4) (→) to select "A.Scrl on."

4 Press (SHIFT).

To cancel Auto Scroll, select "A.Scrl off" in step 2 above.

Locating a specific track — Automatic Music Sensor (AMS)

During playback, press either side of (SEEK/AMS) once for each track you want to skip.

To locate succeeding tracks

To locate preceding tracks

Locating a specific point in a track — Manual Search

During playback, press and hold either side of (SEEK/AMS). Release the button when you have found the desired point.

To search forward

To search backward

Locating a disc by disc number — Direct Disc Selection

Press the number button that corresponds with the desired disc number.
The desired disc in the currently selected changer begins playback.

Scanning the tracks — Intro Scan

You can play the first 10 seconds of all the tracks on the currently selected disc.

1 **During playback, press (SHIFT), then press (3) (PLAY MODE) repeatedly until "Intro" appears.**

2 **Press (4) (→) to select "Intro on."**
Intro Scan starts.

3 **Press (SHIFT).**

To go back to the normal playback mode, select "Intro off" in step 2 above.

Playing tracks repeatedly — Repeat Play

You can select:
- Repeat 1 to repeat a track.
- Repeat 2 to repeat a disc.
- Repeat 3 to repeat all the discs in the current changer.

1 **During playback, press (SHIFT).**

2 **Press (6) (REP) repeatedly until the desired setting appears.**

Repeat 1 → Repeat 2 → Repeat 3 → Repeat off →

Repeat Play starts.

3 **Press (SHIFT).**

To go back to the normal playback mode, select "Repeat off" in step 2 above.

Playing tracks in random order — Shuffle Play

You can select:
- Shuf 1 to play the tracks on the current disc in a random order.
- Shuf 2 to play the tracks in the current changer in a random order.
- Shuf 3 to play all the tracks in a random order.

1 **During playback, press (SHIFT).**

2 **Press (7) (SHUF) repeatedly until the desired setting appears.**

Shuf 1 → Shuf 2 → Shuf 3 → Shuf off →

Shuffle Play starts.

3 **Press (SHIFT).**

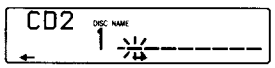
To go back to the normal playback mode, select "Shuf off" in step 2 above.

Labeling a CD — Disc Memo

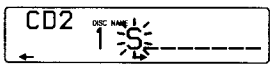
(CD changer with custom file function)

You can label each disc with a personalized name. You can enter up to eight characters for a disc. If you label a CD, you can locate a disc by name and select the specific tracks for playback (page 15).

1 **Play the CD and press (LIST) for two seconds.**



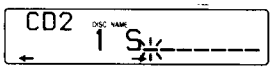
2 **Enter the characters.**
❶ Rotate the dial in a clockwise direction to select the desired characters.
(A → B → C → ··· Z → 0 → 1 → 2 → ··· 9 → + → − → * → / → \ → > → < → . → _)



continue to next page →

If you rotate the dial in a counterclockwise direction, the characters appear in the reverse order. If you want to put a blank space between characters, select "_" (under-bar).

❷ Press ④ (→) after locating the desired character.
The flashing cursor moves to the next space.



If you press ① (←), the flashing cursor moves to the left.

❸ Repeat steps ❶ and ❷ to enter the entire name.

3 To return to the normal CD playback mode, press (LIST) for two seconds.

EN

Tip
To erase/correct a name enter "_" (under-bar) for each character.

Displaying the disc memo name or CD-TEXT name

When you play back a CD-TEXT disc, you can set the priority display item to be the disc memo name or the CD-TEXT name.

1 Press (SHIFT) during CD-TEXT disc playback.

2 Press ② (SET UP) repeatedly until "Disc MEMO" or "TEXT name" appears.

3 Press ④ (→) to select "Disc MEMO" or "TEXT name."

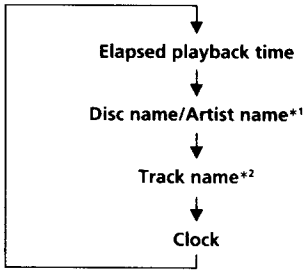
4 Press (SHIFT).
After the mode setting is complete, the display goes back to normal playback mode.

If you want to change to the other setting, you can do so in step 3.

Displaying the disc memo

During playback, press (DSPL).

Each time you press (DSPL) during CD playback, the item changes as follows:



*1 *When you connect an optional CD changer with the CD-TEXT function, the personalized label or the CD-TEXT disc name appears. See below to change the display.*
- To change the displayed item press ④ (→).
- To change the display using Display settings (page 11).

*2 *If you connect an optional CD changer with the CD-TEXT function, the CD-TEXT information will appear on the display when you playback a CD-TEXT disc.*

The display item will change depending on the setting as follows.

Type of disc	Priority display setting	Actual display
A	D.MEMO	Disc memo
	CD-TEXT	CD-TEXT information
B	D.MEMO	Disc memo
	CD-TEXT	
C	D.MEMO	CD-TEXT information
	CD-TEXT	
D	D.MEMO	NO D.Name
	CD-TEXT	

A: CD-TEXT disc with disc memo
B: Normal CD with disc memo
C: CD-TEXT disc without disc memo
D: Normal CD without disc memo

Erasing the disc memo

1 Press (SOURCE) repeatedly to select the CD.

2 Press (MODE) repeatedly to select the CD changer.

3 Press (LIST) for two seconds.

4 Press (DSPL) for two seconds.

5 Rotate the dial to select the name that you want to erase.

6 Press ⑤ (ENTER) for two seconds.
The name is erased.
Repeat steps 5 and 6 if you want to erase other names.

7 Press (LIST) for two seconds.
The unit returns to the normal CD playback mode.

Locating a disc by name

— List-up (CD changer with custom file function or MD changer)

You can use this function for the discs that have been assigned a custom name. For more information on disc names, refer to "Labeling a CD."

1 Press (LIST) momentarily.
The name assigned to the disc currently playing appears in the display.

If you add disc memo labels to a CD-TEXT disc, the display setting you make will determine which information is displayed. If the disc has only one set of information (either CD-TEXT or disc memo labels), that information will be displayed regardless of the display setting you make.

2 Press (LIST) repeatedly until you find the desired disc.

3 Press (5) (ENTER) to play back the disc.

Notes

- *Once a disc name has been displayed for five seconds, the display goes back to its normal playback mode. To turn off the display, press (DSPL).*
- *The track name are not displayed during MD playback.*
- *If there are no discs in the magazine, "NO Disc" appears in the display.*
- *If a disc has not been assigned a custom file, "********" appears in the display.*
- *If the disc information has not been read by the unit, "?" appears in the display. To load the disc, first press the number button, then choose the disc that has not been loaded.*
- *The information is appears only in upper cases. There are also some letters which cannot be displayed (during MD playback).*

Selecting the specific tracks for playback

— Bank (CD changer with custom file function)

If you label the disc, you can set the unit to skip tracks and play only the tracks you want.

1 Start playing the disc and press (SHIFT). Then press (3) (PLAY MODE) for two seconds.

Bank edit mode.

Note

If you have not labeled the disc, the bank edit mode does not appear and the programme edit mode appears. To go back to the normal playback mode, press (SHIFT).

2 Press either side of (SEEK/AMS) to select the track number you want to skip and press (5) (ENTER).

The indication changes from "Play" to "Skip." If you want to return to "Play," press (5) (ENTER) again.

3 Repeat step 2 to set the "Play" or "Skip" mode on all the tracks.

4 Press (3) (PLAY MODE) for two seconds.
The unit returns to the normal CD playback mode.

5 Press (SHIFT).

Notes

- *You can set the "Play" and "Skip" mode on up to 24 tracks.*
- *You cannot set the "Skip" mode on all the tracks.*

Playing the specific tracks only

You can select:

- Back on to play the tracks with the "Play" setting.
- Bank inv (Inverse) to play the tracks with the "Skip" setting.

1 During playback, press (SHIFT), then press (3) (PLAY MODE) repeatedly until "Bank" appears.

2 Press (4) (→) to repeatedly until the desired setting appears.

→ Bank on → Bank inv → Bank off

Playback starts from the track following the current one.

3 Press (SHIFT).

To go back to the normal playing mode, select "Bank off" in step 2 above.

Additional Information

Precautions

- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of two-speaker systems, set the fader control to the centre position.
- If your car is equipped with a power aerial, it will extend automatically while the unit is operating.

EN

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

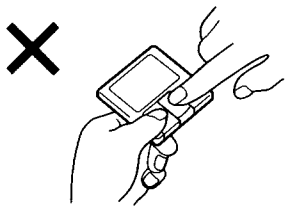
Moisture Condensation

On a rainy day or in a very damp area, moisture may condense on the lenses inside the MD player. Should this occur, the unit will not operate properly. In this case, remove the disc and wait for about an hour until the moisture evaporates.

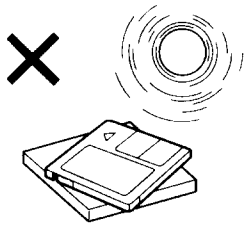
Notes on MDs

Since an MD itself is housed in a cartridge, free from accidental contact with your fingers and dust etc., it can withstand a certain degree of the rough handling. However, dirt or dust on the surface of the cartridge or a warped cartridge may cause a malfunction quality, observe the following.

Never touch the surface of the MD itself by deliberately opening the shutter on the cartridge.



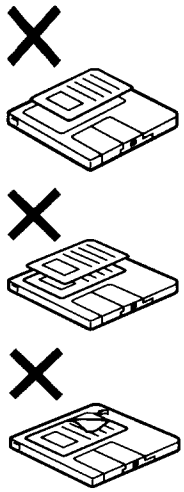
Do not expose the MD to direct sunlight or heat sources such as hot air-ducts. Do not leave it in a car parked in the direct sunlight where there can a considerable rise in temperature. Make sure that it is not left on the dashboard or rear tray of a car etc. where the temperature can also be excessive.



Notes on mounting labels

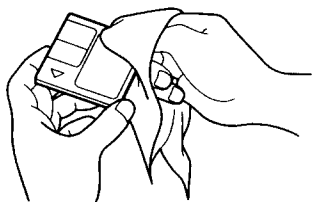
Be sure to mount labels on cartridges correctly, as failing to do so may cause an MD to become stuck in the changer.

- Mount the label in a suitable position.
- Remove old labels before putting new ones on.
- Replace labels that are beginning to peel away from the MD.



Cleaning

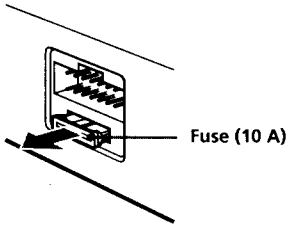
Wipe the surface of the MD cartridge from time to time with a soft dry cloth.



Maintenance

Fuse replacement

When replacing the fuse, be sure to use one that matches the amperage described on the fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

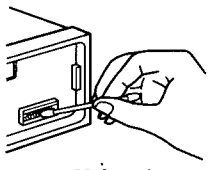


Warning

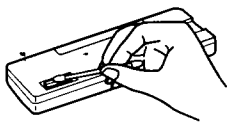
Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. To prevent this, open the front panel by pressing (RELEASE), then detach it and clean the connectors with a cotton swab dipped in alcohol. Do not apply too much force. Otherwise, the connectors may be damaged.

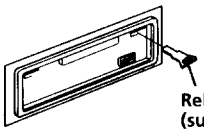


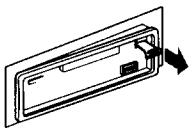
Main unit

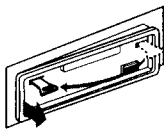


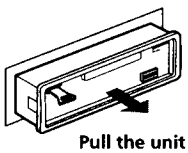
Back of the front panel

Dismounting the unit



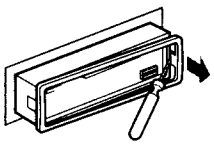




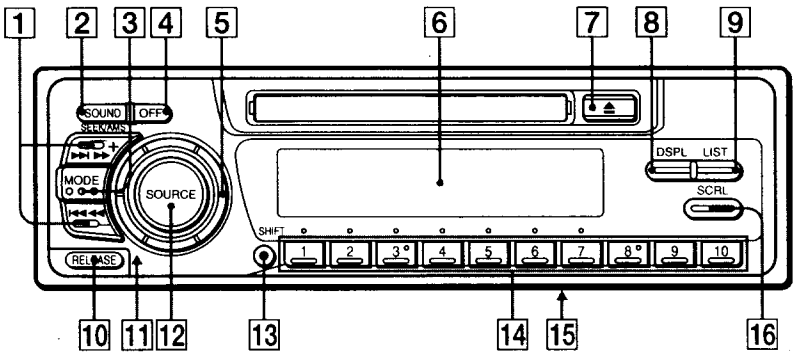


Pull the unit out while the release key is inserted.

Press the clip inside the front cover with a thin screwdriver, and lever the front cover free.



Location of controls



EN

Refer to the pages for details.

1 **SEEK/AMS (seek/Automatic Music Sensor/manual search) button 6, 8, 12, 15**

2 **SOUND button 11**

3 **MODE (band/changer select) button 7, 8, 12, 14**

4 **OFF button 4, 5**

5 **Dial (volume/bass/treble/balance/fader control) 5, 9, 11, 13, 14**

6 **Display window**

7 **⏏ (eject) button 5**

8 **DSPL (display mode change) button 6, 8, 9, 12, 14**

9 **LIST button**

Disc Memo **13, 14**

List-up **9, 15**

Station Memo **9**

10 **RELEASE (front panel release) button 4, 17**

11 **Reset button (located on the front side of the unit hidden by the front panel) 4**

12 **SOURCE (source select) button 5, 6, 7, 8, 12, 14**

13 **SHIFT button**

PLAY MODE **6, 7, 8, 13, 15**

REP **7, 13**

SET UP **5, 6, 11, 12, 14**

SHUF **7, 13**

14 **During radio reception: Number buttons 8**

During CD/MD playback: Direct disc selection buttons 13

15 **POWER SELECT switch (located on the bottom of the unit)**
See "POWER SELECT Switch" in the Installation/Connections manual.

16 **SCRL (scroll) button 5, 6, 12**

Specifications

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
15 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1 % total harmonic distortion.

Other specifications

MD player section

Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit
Laser Diode Properties	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 µW*

* *This output is the valve measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.*

Tuner section

FM

Tuning range	87.5 – 107.9 MHz
Aerial terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	10 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	62 dB (stereo), 65 dB (mono)
Harmonic distortion at 1 kHz	0.9 % (stereo), 0.5 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	2 dB

AM

Tuning range	530 – 1,710 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.71 MHz/450 kHz
Sensitivity	30 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	35 W × 4 (at 4 ohms)

General

Output	Line out (2) Power antenna relay control lead Power amplifier control lead Telephone mute control lead Illumination control lead
Tone controls	Bass ±10 dB at 100 Hz Treble ±10 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 188 × 58 × 174 mm ($7\ ^1/_2 \times 2\ ^3/_8 \times 7$ in.) (w/h/d)
Mounting dimensions	Approx. 178 × 50 × 162 mm ($7\ ^1/_8 \times 2 \times 6\ ^1/_2$ in.) (w/h/d)
Mass	Approx. 1.1 kg (2 lb. 7 oz.)
Supplied accessories	Rotary remote (1) Parts for installation and connections (1 set) Front panel case (1)
Optional accessories	BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m) RCA pin cord RC-63 (1 m), RC-64 (2 m), RC-65 (5 m)
Optional equipment	CD changer CDX-805 (10 discs), CDX-705 (10 discs), CDX-T65 (6 discs), CDX-T62 (6 discs) MD changer MDX-60, MDX-61 Source selector XA-C30

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Design and specifications are subject to change without notice.

Troubleshooting guide

The following checklist will help you remedy the problems that you may encounter with your unit. Before going through the checklist below, check the connection and operating procedures.

General

Problem	Cause/Solution
No sound	• Cancel the MUTE function. • Set the fader control to the centre position for two-speaker systems. • Rotate the dial in a clockwise direction to adjust the volume.
The contents of the memory have been erased.	• The power cord or battery has been disconnected. • The reset button has been pressed. → Store again into the memory.
Indications do not appear in the display.	Remove the front panel and clean the connectors. See "Cleaning the connectors" (page 17) for details.
No beep tone	The beep tone is muted.

CD/MD playback

EN

Problem	Cause/Solution
A disc cannot be loaded.	• Another MD is already loaded. • The MD is forcibly inserted upside down or in the wrong way.
Play does not begin.	Defective MD or dusty CD.
A disc is automatically ejected.	The ambient temperature exceeds 50°C (122°F).
The operation buttons do not function.	Press the reset button.
The sound skips due to vibration.	• The unit is installed at an angle of more than 20°. • The unit is not installed in a sturdy part of the car.

Radio reception

Problem	Cause/Solution
Preset tuning is not possible.	• Memorise the correct frequency. • The broadcast signal is too weak.
Automatic tuning is not possible.	The broadcast signal is too weak. → Use manual tuning.
The "ST" indication flashes.	• Tune in the frequency correctly. • The broadcast signal is too weak. → Set to the MONO mode (page 8).

Error displays (when the optional CD/MD changer is connected)

The following indications will flash for about five seconds, and an alarm sound will be heard.

Display	Cause	Solution
NO Mag	The disc magazine is not inserted in the CD/MD changer.	Insert the disc in the CD/MD changer.
NO Disc	No disc is inserted in the CD/MD changer.	Insert the discs in the CD/MD changer.
NG Discs	A CD/MD cannot play because of some problem.	Insert another CD/MD.
Error*1	A CD is dirty or inserted upside down.*2	Clean or insert the CD correctly.
	An MD does not play because of some problem.*2	Insert another MD.
Blank*1	No tracks have been recorded on an MD.*2	Play an MD with recorded tracks on it.
PushReset	The CD/MD changer cannot be operated because of some problem.	Press the reset button of the unit.
Not Ready	The lid of the MD changer is open or MDs are not inserted properly.	Close the lid or inserted the MDs properly.
HighTemp	The ambient temperature is more than 50°C (122°F).	Wait until the temperature goes down below 50°C (122°F).

*1 *When an error occurs during playback of an MD or CD, the disc number of the MD or CD dose not appear in the display.*
*2 *The disc number of the disc causing the error appears in the display.*

If the above-mentioned solutions do not help improve the situation, consult your nearest Sony dealer.

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